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Applicant: Richard G. Hyatt Jr.

S.N.: 08/720,070

Filed: 27 September 1996

For: *ELECTROMECHANICAL CYLINDER PLUG.*

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1. SUPPLEMENTAL AMENDMENT



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

RICHARD G. HYATT JR.

Serial No.: 08/720,070

Examiner: BOUCHER, D.

Filed: 27 September 1996

Art Unit: 3508

For: ELECTROMECHANICAL CYLINDER PLUG

SUPPLEMENTAL AMENDMENT

Assistant Commissioner
for Patents
Washington, D.C. 20231

Sir:

Supplemental to the Applicant's earlier filed Response to the Requirement for Restriction mailed on 17 September 1997 (Paper No. 8), Applicant respectfully requests re-examination, reconsideration, and entry of the following amendments.

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IN THE CLAIMS

Please add claim 6, as follows:

- 1 -6. A lock, comprising:
- 2 a cylinder containing a hollow recess defining a longitudinal axis;
- 3 a plug rotatable around said longitudinal axis while resident within said hollow
- 4 recess, said plug comprising:
- 5 a first base bearing a keyway providing a first electrical conductor and an
- 6 orifice spaced-apart from and separated by a mass of said plug from said keyway;
- 7 a second base separated by an axial length of said plug from said first base,
- 8 said second base bearing means for supporting a cam;
- 9 an exterior surface extending between and engaging said first base and said
- 10 second base;
- 11 locking means responsive to a key inserted into said keyway to accommodate
- 12 rotation of said plug relative to a cylinder surrounding said plug when the key while inserted
- 13 into said keyway engages in a selected relation with said locking means and engaging the
- 14 cylinder absent said selected relation;
- 15 a second electrical conductor terminating with an electrical contact exposed
- 16 to an exterior of said first base through said aperture;
- 17 an electronic logic circuit coupled to receive electrical power and data signals
- 18 via said first and second electrical conductors, and generating control signals in dependence

19 upon said electrical power and data signals; and

20 an electrical operator having a distal member radially reciprocating along an
21 axis transverse to said longitudinal axis, in dependence upon said control signals between
22 a first position relative to said exterior surface enabling rotation of said plug in relation to
23 said cylinder surrounding said plug and a second and different position relative to said
24 exterior surface obstructing said rotation of said plug in relation said cylinder.

1 -7. The plug of claim 6, comprising said locking means, logic circuit and electrical
2 operator simultaneously experiencing said rotation relative to the cylinder whenever said plug rotates
3 relative to the cylinder.

1 -8. The plug of claim 6, comprising said locking means, logic circuit and electrical
2 operator being wholly within the cylinder and travelling with said plug whenever said plug moves
3 relative to the cylinder.

1 -9. The plug of claim 6, with said electrical operator maintaining said distal member
2 within said plug with said distal member extended not beyond said exterior surface while said distal
3 member is in said first position, and maintaining said distal member in engagement with the cylinder
4 while said distal member is in said second position.

1 -10. The plug of claim 6, with said electrical operator maintaining said distal member


2 within said plug with said distal member extending not beyond said exterior surface while said distal
3 member is in said first position, and moving said distal member radially between said first position
4 inside said exterior surface and said second position radially beyond said exterior surface, in
5 dependence upon said control signals.

REMARKS

Claims 1 through 10 are pending in this application. Claims 6 through 10 are newly added.

In view of the foregoing amendments, arguments and remarks, all claims are deemed to be allowable and this application is believed to be in condition to be passed to issue. Should any questions remain unresolved, the Examiner is requested to telephone Applicant's attorney.

Respectfully submitted,


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